

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.12**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000367**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 18-Oct-2007**Location:** Changxing Island, Shanghai, China

**Submittals(New / Total):**      **CWR's:** 0 / 21      **HSR's:** 0 / 6      **NCR's:** 0 / 11

Item	Title	Detail
1	Major component movement	<p>77m Tower Mock-up: No welding observed.</p> <p>89m Tower Mock-up: Performing repairs to interior corner plate, Fitting Stiffener Plates to Interior Splice Plates for PJP welding.</p> <p>114m Tower Mock-up: No welding observed.</p> <p>Closed-rib Weld Trials: ZPMC performed welding of 1st Closed-rib Weld Trial. QA observed porosity in the GMAW root pass of one weld head. ZPMC purged the gas lines, removed the porosity by grinding and proceeded with the trial. ZPMC rejected the trial for unacceptable weld profile (underfill, undercut and burn-through).</p>
2	Meetings attended	<p>QA met with ABF and ZPMC at 1400 to discuss the schedule for the next two days:</p> <p>77m Tower Mock-up: Skin A awaiting CWR for 3rd time repair, Diaphragm flange plate butt joints pending resolution of 150 degree bend discrepancies.</p> <p>89m Tower Mock-up: Fit and Weld Interior Splice Plates Stiffener PJP welds.</p> <p>114m Tower Mock-up: Work pending resolution of stiffener to skin plate repair rate.</p>
3	Key conversations	<p>Caltrans met with ABF and ZPMC at 1300 to discuss issues related to fabrication:</p> <p>ZPMC informed ABF and Caltrans that the 150 degree bend 77m Tower Mock-up Diaphragm Flange received from Wuxi Boiler has a 14mm gap</p>

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## DAILY PROJECT JOURNAL

( Continued Page 2 of 2 )

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when fit to the diaphragm. ZPMC asked if Caltrans would entertain cold bending of the flanges at ZPMC instead. QA stated that this would have to be discussed internally. ZPMC will decide upon either a repair method or re-manufacture of the two pieces with improper bends.

ABF informed Caltrans that they would be submitting the rolled shapes for the OBG Skin Plate T-stiffeners. They asked if Caltrans would help to expedite. Caltrans agreed to help in any way possible.

ABF asked about the status of the dimensional control plan for the OBG floor beam and corner sections. Caltrans is currently reviewing these sections.

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4	Other important observations	ABF completed their UT of the Closed-rib sample and delivered the sample to QA for testing at the end of the day.
5	Quality Assurance Inspectors per shift	6 Day Shift (Acuna, Brannon, Hasler, Hernandez, McClendon, Viars) 4 Swing Shift (Berger, Dixon, Franco, Smith)

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**Inspected By:** McClary,David

Quality Assurance Inspector

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**Reviewed By:** Lowry,Patrick

QA Reviewer

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